

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738295

Luminaire Tested: **22PT-60-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PP3-L830
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

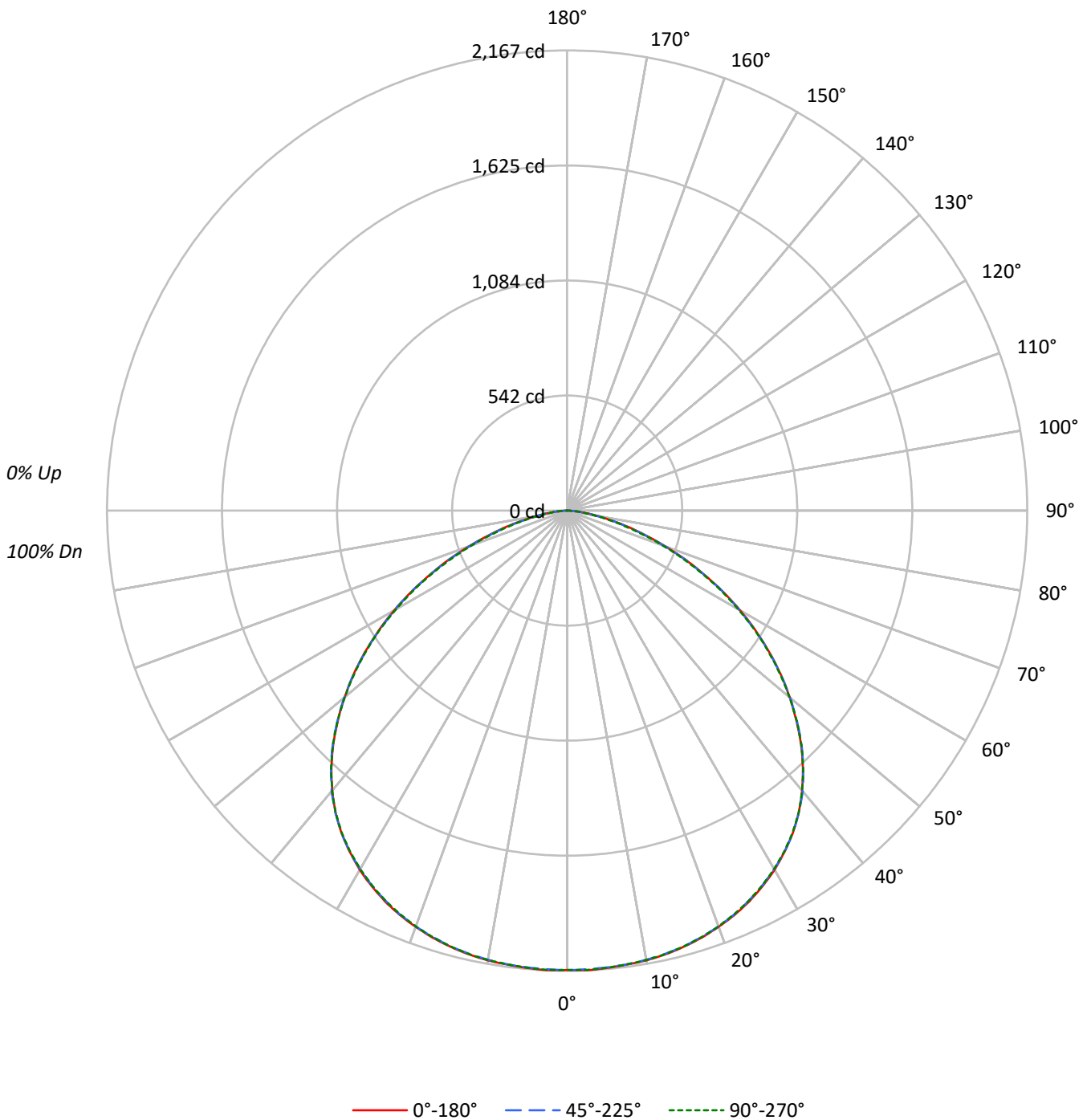
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6208.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P738295
CATALOG NUMBER: 22PT-60-PP3-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6340	6340	6340
5°	6360	6351	6356
10°	6399	6391	6395
15°	6450	6443	6443
20°	6506	6499	6497
25°	6564	6552	6552
30°	6610	6597	6594
35°	6628	6628	6621
40°	6585	6599	6585
45°	6455	6472	6463
50°	6238	6247	6230
55°	5938	5924	5912
60°	5513	5500	5457
65°	4924	4919	4863
70°	4209	4183	4092
75°	3353	3255	3156
80°	2389	2342	2219
85°	1553	1553	1506



TEST NUMBER: P738295

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	3.3
10°-20°	600.2	9.7
20°-30°	934.6	15.1
30°-40°	1156.7	18.6
40°-50°	1199.5	19.3
50°-60°	1033.8	16.7
60°-70°	702.9	11.3
70°-80°	314.5	5.1
80°-90°	59.9	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1740.6	28.0
0°-40°	2897.4	46.7
0°-60°	5130.7	82.6
0°-90°	6208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2162	2158	2159	2159	2161	206
15°	2126	2123	2124	2123	2124	601
25°	2030	2027	2026	2026	2026	936
35°	1853	1851	1853	1850	1851	1157
45°	1558	1556	1562	1558	1560	1199
55°	1162	1158	1160	1157	1157	1036
65°	710	716	710	707	701	705
75°	296	297	288	286	279	319
85°	46	48	46	45	45	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2163.7	2163.7	2163.7	2163.7	2163.7
2.5°	2166.7	2162.3	2162.3	2163.1	2165.3
5°	2162.3	2158.0	2159.4	2158.6	2160.9
7.5°	2156.6	2153.0	2155.2	2153.6	2155.2
10°	2150.7	2147.1	2147.9	2147.1	2149.3
12.5°	2140.6	2136.3	2137.8	2137.8	2138.6
15°	2126.2	2122.6	2124.0	2122.6	2124.0
17.5°	2108.8	2104.5	2105.3	2104.5	2106.0
20°	2086.5	2083.7	2084.3	2082.9	2083.7
22.5°	2061.2	2057.5	2058.3	2056.9	2056.9
25°	2030.2	2027.1	2026.5	2025.7	2026.5
27.5°	1993.9	1990.5	1990.5	1989.7	1989.7
30°	1953.6	1949.9	1949.9	1949.1	1949.1
32.5°	1905.8	1904.4	1905.2	1903.7	1902.9
35°	1853.1	1850.9	1853.1	1850.3	1850.9
37.5°	1791.7	1788.9	1793.1	1790.3	1790.9
40°	1721.6	1720.2	1725.2	1723.0	1721.6
42.5°	1643.6	1643.6	1645.8	1646.4	1645.0
45°	1557.7	1556.3	1561.9	1558.3	1559.7
47.5°	1465.1	1463.1	1467.3	1466.5	1465.9
50°	1368.4	1366.8	1370.5	1366.8	1366.8
52.5°	1267.9	1267.1	1267.9	1264.3	1263.5
55°	1162.4	1158.1	1159.6	1157.3	1157.3
57.5°	1052.6	1047.5	1048.3	1047.5	1048.3
60°	940.7	939.1	938.5	934.9	931.2
62.5°	825.8	827.3	826.5	821.4	817.7
65°	710.2	716.0	709.5	707.3	701.4
67.5°	601.2	603.2	598.9	593.9	587.4
70°	491.3	495.6	488.3	483.2	477.6
72.5°	386.6	389.4	382.9	380.1	372.8
75°	296.2	297.0	287.5	286.1	278.8
77.5°	210.9	213.8	206.7	206.7	199.4
80°	141.6	146.7	138.8	136.6	131.5
82.5°	88.9	89.6	87.3	85.3	83.1
85°	46.2	47.6	46.2	44.8	44.8
87.5°	17.4	18.0	17.4	16.6	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)